

# FileSender meets EOSC

## new opportunities for self-financed services

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Jan Meijer <[jan.meijer@sikt.no](mailto:jan.meijer@sikt.no)>

Sikt – Norwegian Agency for Shared Services in Education and Research

# What is FileSender?

- Value proposition: simple and secure transfer of files of any size using a trusted intermediary
- Open source webapplication: native browser, encryption, AAI integrated, API, proven to work for 1TB transfers, designed for large scale use, regularly security audited
- Typically national deployment; channel to end user: NREN offers service to institutions offers service to end users.
- Joint development project of software,
  - Started 2009, sustained by regular financial support from over 10 NRENs
    - No EC funding
  - Since Dec 2016 long term legal/administrative home at The Commons Conservancy foundation in NL
  - FileSender board – Jan Meijer, Guido Aben, Rogier Spoor

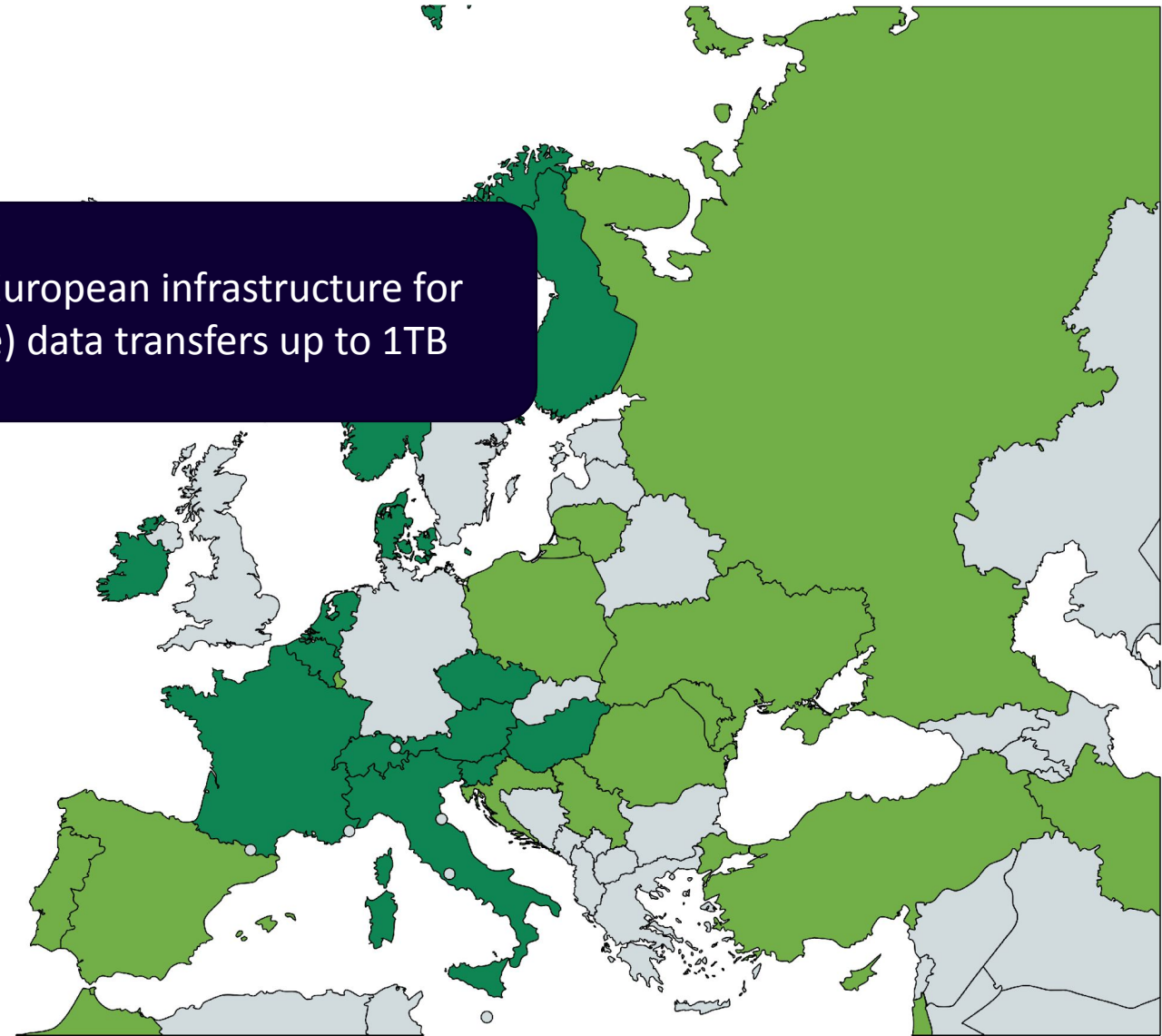
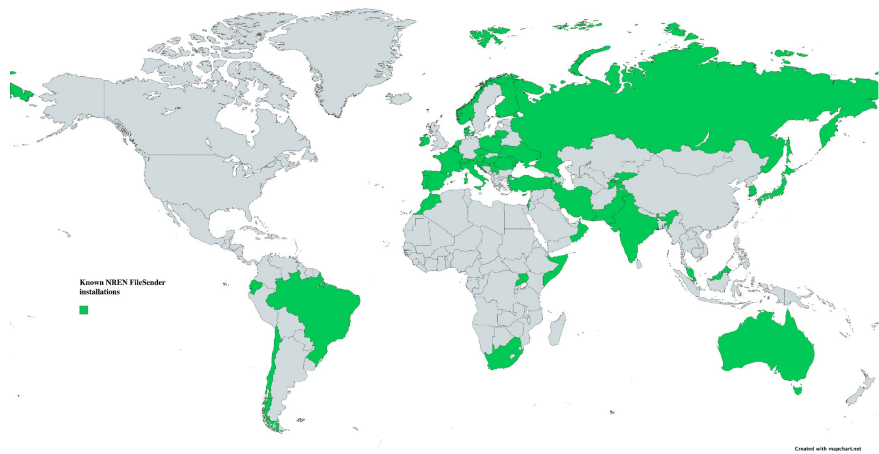
open source, sovereign  
WeTransfer designed around  
R&E requirements

[www.filesender.org](http://www.filesender.org)

# National instances in most of Europe

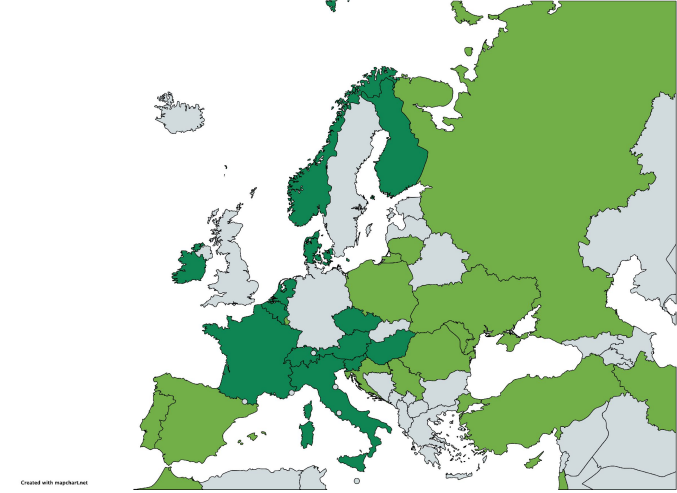
Country	#transfers	#users/mo
France (RENATER)	6.800.000	46K
Netherlands (SURF)	1.500.000	10K
Ireland (HEAnet)	137.000	1.5K
Finland (CSC)	170.000	2K

De-facto European infrastructure for (sensitive) data transfers up to 1TB



1 infrastructure  
1.000.000 researchers,  
100s aggregators  
1000s organisations  
40 countries

changed landscape:



all research data findable, accessible, interoperable and reusable

via

one coherent data brokering platform

under one coherent policy and governance

+

European single (public sector) marketplace for services

# Changing environment, new opportunities

- Self-financed services = continuous business modelling
- Increase value, new channel to user, new user groups, new functionality, increased use
- Increased value = increased tax base = lower cost / contributing organisation

# Example 1: From national nodes into coherent European infrastructure

- One coherent UI reaching 100.000+ users, using national sovereign back-ends
  - Retains key value add: simple and secure transfer within YOUR jurisdiction
- Enables easy deployment of new functionality:
  - Send data directly to/from data repositories and data processing
  - Seal, timestamp and sign data as part of transfer
    - eIDAS compliant
    - Encourage improved digital hygiene for data and documents, at scale
    - Secure research data at rest

# Example 2: receptive user base for scalable encryption key management

- FileSender already supports native browser encryption
  - Everyone with a browser already has basic capability to transfer sensitive data securely
- Technology pilot to integrate passports & driver licenses as key management tokens
  - Passports deployed & managed by 3<sup>rd</sup> party
  - Accessed through tapping your mobile phone
  - Really scalable!
- New value proposition: EOSC-context scalable transfer service for (ad-hoc) sensitive personal data?
  - That can integrate with sensitive data services?

# Thank you

[jan.meijer@sikt.no](mailto:jan.meijer@sikt.no)

[www.filesender.org](http://www.filesender.org)

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[filesender.board@commonsconservancy.org](mailto:filesender.board@commonsconservancy.org)